

**DUPLEX TRANSMISSION SYSTEM AND METHOD INCLUDING HYBRID
CIRCUIT AND NEAR-ECHO SUPPRESSION**

Abstract of the Disclosure

[0028] The hybrid circuit can be used to substantially reduce near echo signals. The circuit includes a balanced 2-wire to 4-wire hybrid for interconnecting a two wire receive path and a two wire transmit path to a two wire transmission line. The two wire receive path connects the balanced hybrid to an A/D converter and the two wire transmit path connects a D/A converter to the balanced hybrid. The two wire receive path contains a filter, dimensioned to remove signals transmitted from the D/A converter. The invention is particularly adapted for use with FDD and OFDD.